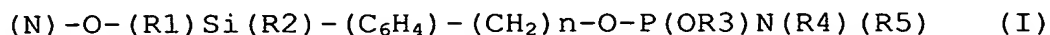


What is claimed is:

1. 3'-end nucleoside unit comprising phosphoramidite that is a compound represented by the following formula:



- 5 wherein (N) represents any nucleoside or its derivative, each of R₁, R₂, R₄ and R₅ is an alkyl or aryl group, R₃ is a phosphate-protecting group, and n is an integer of from 1 to 5.
2. The compound according to Claim 1 wherein R₁ and R₂ are an
10 alkyl group having 1 to 5 carbon atoms.
3. The compound according to Claim 1 wherein the aryl group of R₁ and R₂ has a substituent of alkyl, nitro, cyano, halogeno or methoxy group.
4. The compound according to any one of Claims 1 to 3 wherein
15 the phosphate-protecting group is 2-cyanoethyl, 4-nitrophenylethyl, N-(trifluoroacetyl)aminobutyl, or 4-[N-methyl-N-(2,2,2-trifluoroacetyl)amino]butyl group.
5. The compound according to Claim 4 wherein the phosphate-protecting group is 2-cyanoethyl.
- 20 6. The compound according to any one of Claims 1 to 5 wherein R₄ and R₅ are an alkyl having 1 to 4 carbon atoms, benzyl, phenyl, or naphthyl group.
7. The compound according to Claim 6 wherein R₄ and R₅ are an isopropyl group.
- 25 8. The compound according to any one of Claims 1 to 7 wherein a benzene ring structure has a substituent.

9. The compound according to Claim 8 wherein the substituent of the benzene ring structure is selected from the group consisting of alkyl having 1 to 4 carbon atoms, halogeno, nitro, cyano and methoxy groups.
- 5 10. The compound according to Claim 1, which is
5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl
N,N-diisopropyl phosphoramidite)
benzyl-diisopropylsilyl]thymidine.
11. The compound according to Claim 1, which is
10 5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl
N,N-diisopropyl phosphoramidite)
benzyl-diisopropylsilyl]2'-deoxyadenosine.
12. A solid-phase support having the 3'-end nucleoside unit according to any one of Claims 1 to 11 introduced thereon.
- 15 13. The solid-phase support according to Claim 12 having the
3'-end nucleoside unit at a ratio of 20-30 $\mu\text{mol/g}$.
14. The solid-phase support according to Claim 12 or 13, which is HCP solid-phase support.
15. A method for the synthesis of a nucleic acid oligomer with
20 the use of the solid-phase support according to Claim 12,
13 or 14.
16. The method according to Claim 15, which is a
phosphoramidite one with the use of an activating agent comprising an alcohol-type compound, or a mixture of the
25 alcohol-type compound and an acid catalyst.